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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,514	03/17/2004	Gregory Adam Solan	2003B023	3960
23455 7590 03/15/2007 EXXONMOBIL CHEMICAL COMPANY 5200 BAYWAY DRIVE			EXAMINER	
			GROUP, KARL E	
P.O. BOX 2149 BAYTOWN, TX 77522-2149			ART UNIT	PAPER NUMBER
211110,			1755	
			MAIL DATE	DELIVERY MODE
			03/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

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10/802,514   SOLAN ET AL.						
Notice of Allowability    Examiner   Art Unit	o monda	Application No.	oplication No. Applicant(s)			
Karl E. Group   1755	Notice of Allowability					
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Nowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiat of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. This communication is responsive to	. Collect of Anothers inty	Examiner	Art Unit			
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2. ☑ The allowed claim(s) is/are 1-13 and 15-24.  3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  **Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (a s "replacement sheets") must be submitted.  (a) ☐ Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.21(d).  Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of References Cited (PTO-892)  3. ☐ Information Disclosure Statements (PTO/SB/08),  Paper No./Mail Date  Attachment's Comment Regarding Requirement for Deposit  8. ☐ Examiner's Statement of Reasons for Allowance	All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	blication. If not included will be mailed in due course. THIS			
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4. Examiner's Comment Regarding Requirement for Deposit 8. Examiner's Statement of Reasons for Allowance	Information Disclosure Statements (PTO/SB/08),     Paper No /Mail Date					
	Examiner's Comment Regarding Requirement for Deposit of Biological Material					
9. Other		9. ∐ Otner				

Art Unit: 1755

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Catherine Bell on March 12, 2007.

The application has been amended as follows:

Please delete the abstract filed 10-23-06 and substitute with the attached abstract.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl E. Group whose telephone number is 571-272-1368. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karl E Group )
Primary Examiner
Art Unit 1755

Keg 3-12-07

## ABSTRACT CATALYST COMPOSITION

This invention relates to transition metal catalyst compounds represented by the formula: LMX<sub>2</sub> wherein M is a Group 7 to 11 metal, L is a tridentate or tetradentate neutrally charged ligand that is bonded to M by three or four nitrogen atoms, and at least one terminal nitrogen atom is part of a pyridinyl ring, a different terminal nitrogen atom is substituted with one C<sub>3</sub>-C<sub>50</sub> hydrocarbyl, and one hydrogen atom or two hydrocarbyls; wherein at least one hydrocarbyl is a C<sub>3</sub>-C<sub>50</sub> hydrocarbyl, and the central nitrogen atom is bonded to three different carbon atoms or two different carbon atoms, and one hydrogen atom; X is independently a monoanionic ligand or both X are joined together to form a bidentate dianionic ligand.